

**Supplemental Material**

Table S1

*Linear Regression Models of Racial Discrimination Intercept and Supportive Family Environments as Predictors of Epigenetic Aging*

	PBMC Epigenetic Aging	
	SHAPE	AIM
	(age 20; $N = 322$ )	(age 22; $N = 294$ )
	b [95% CI]	b [95% CI]
Main effect		
Racial discrimination intercept	0.052 [-0.132, 0.236]	0.255* [0.053, 0.457]
Moderator		
Supportive family environments	-0.044 [-0.215, 0.127]	0.014 [-0.174, 0.203]
Two-way interaction		
Racial discrimination intercept $\times$ Supportive family environments	-0.050* [-0.100, -0.001]	-0.068* [-0.130, -0.006]
Control variables		
Gender (1 = Male)	2.957*** [1.852, 4.062]	1.385* [0.172, 2.598]
Depression	0.274 [-0.067, 0.615]	0.060 [-0.037, 0.157]
Life stress	-0.275 [-0.669, 0.118]	-0.410 [-0.957, 0.137]
BMI	0.069* [0.007, 0.130]	0.091** [0.030, 0.151]
SES-related risk	0.084 [-0.359, 0.527]	0.567* [0.074, 1.060]
Racial discrimination slope	-0.318 [-0.695, 0.059]	0.630 [-0.556, 1.816]

*Note.* b = unstandardized beta. CI = confidence interval. BMI = body mass index. SES = socioeconomic status. Methylation batch assignment was also controlled.

\* $p \leq .05$ , two-tailed. \*\* $p \leq .01$ , two-tailed.

Table S2

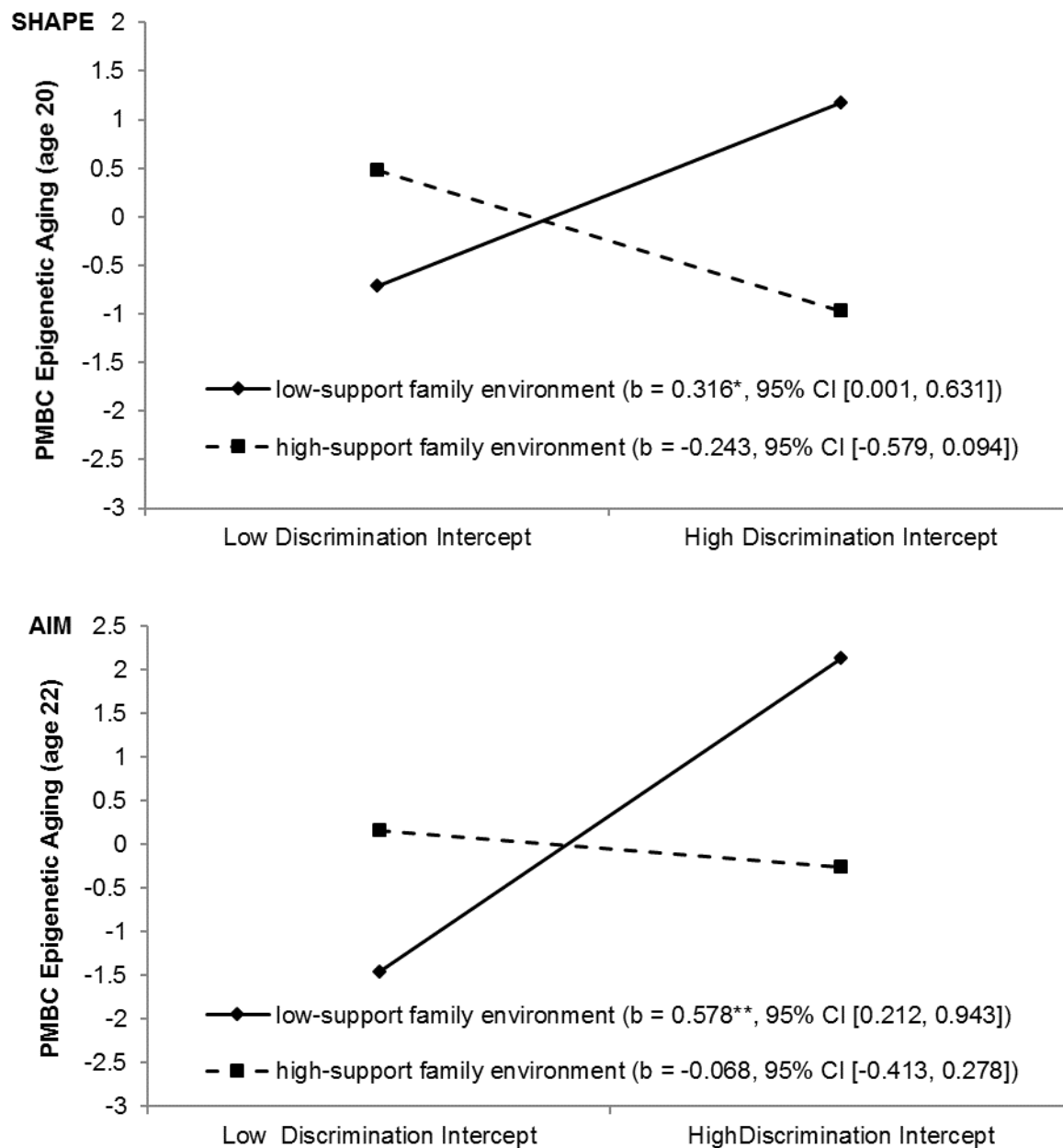
*Linear Regression Models of Racial Discrimination and Parental Emotional Support as Predictors of Epigenetic Aging*

	PBMC Epigenetic Aging	
	SHAPE	AIM
	(age 20; $N = 322$ )	(age 22; $N = 294$ )
	b [95% CI]	b [95% CI]
Main effect		
Racial discrimination class	0.697 [-0.765, 2.160]	1.512* [0.293, 2.732]
Moderator		
Parental emotional support	0.096 [-0.242, 0.434]	0.278 [-0.115, 0.671]
Two-way interaction		
Racial discrimination $\times$ Parental emotional support	-0.777* [-1.550, -0.005]	-0.878** [-1.486, -0.270]
Control variables		
Gender (1 = Male)	1.954** [0.763, 3.145]	1.421* [0.240, 2.603]
Depression	0.307 [-0.053, 0.667]	0.065 [-0.028, 0.158]
Life stress	-0.306 [-0.725, 0.114]	-0.451 [-0.994, 0.092]
BMI	0.081* [0.014, 0.148]	0.105*** [0.045, 0.164]
SES-related risk	0.143 [-0.329, 0.616]	0.538* [0.056, 1.020]

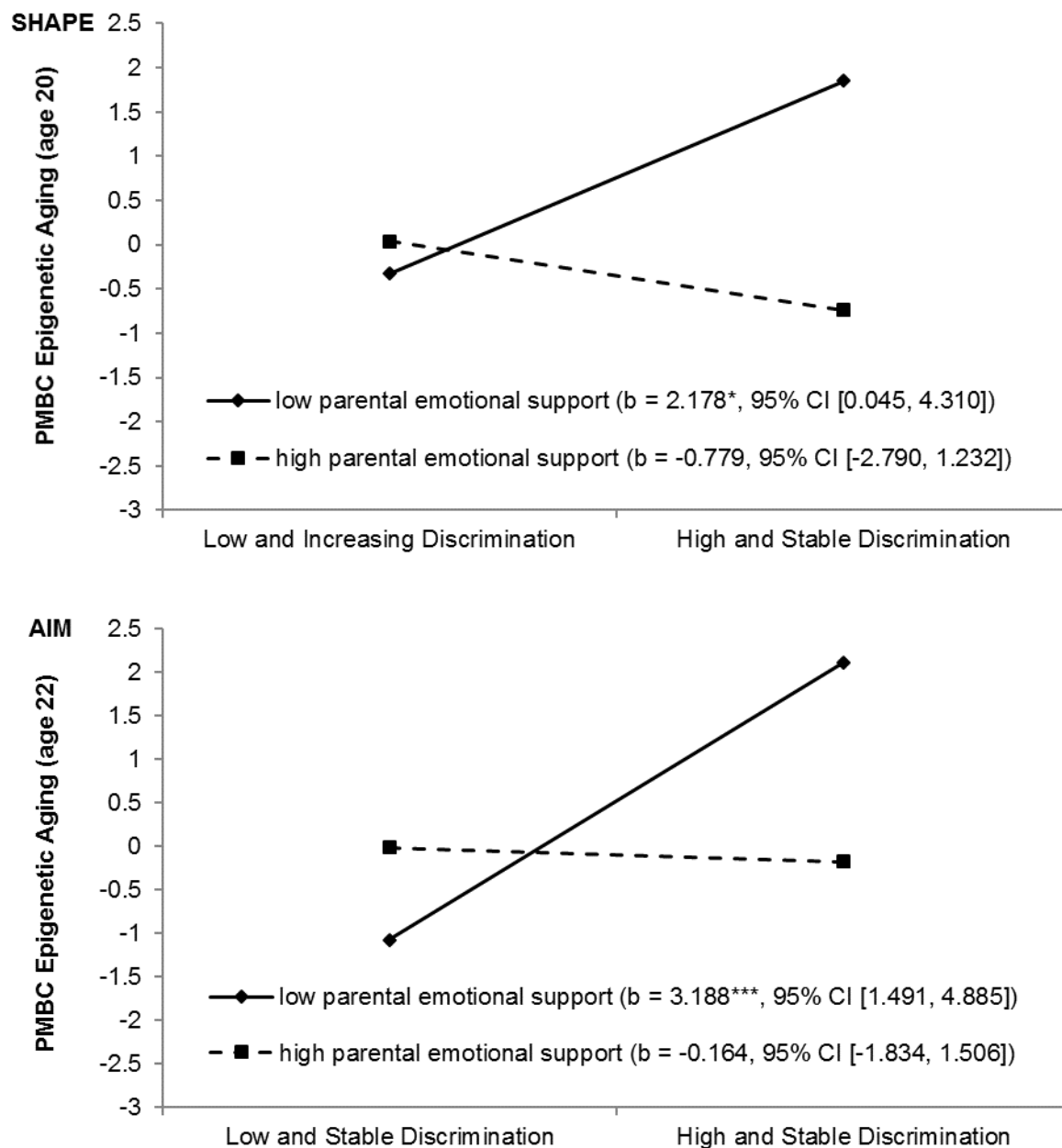
*Note.* b = unstandardized beta. CI = confidence interval. BMI = body mass index. SES =

socioeconomic status. Methylation batch assignment was also controlled.

\* $p \leq .05$ , two-tailed. \*\* $p \leq .01$ , two-tailed.



**Fig S1.** The effect of racial discrimination intercept on youths' epigenetic aging by supportive family environments for SHAPE (top) and AIM (bottom). The lines represent the regression lines for different levels of support from the family environment (low: 1 *SD* below the mean; high: 1 *SD* above the mean). Numbers in parentheses refer to simple slopes.



**Fig S2.** The effect of racial discrimination on youths' epigenetic aging by parental emotional support for SHAPE (top) and AIM (bottom). The lines represent the regression lines for different levels of parental emotional support (low: 1 *SD* below the mean; high: 1 *SD* above the mean). Numbers in parentheses refer to simple slopes.